

CLAIMS

I claim:

- 5 *6UBA1*
1. ~~A portable paperless book comprising:
a digital storage device for visual and audible information, and
a display system for displaying visual and audible information from a storage device wherein
visual, audible, or visual and audible information is displayed with the visual and audible information
in synchrony.~~
 2. A paperless book of claim 1 wherein the display of visual information is a ferroelectric display, electroluminescent display, liquid crystal display, or light emitting diode.
 - 10 3. A paperless book of claim 2 wherein the display of visual information is in a head-mounted display.
 4. A paperless book of claim 2 wherein the display of visual information is in a screen on the paperless book.
 - 15 5. A paperless book of claim 1 wherein the audio information display is produced by headphones, ear phones, speakers permanently attached to the paperless book, or speakers detachably attached to the paperless book.
 6. ~~A paperless book of claim 1 wherein visual display of information is in synchrony with
an audible spoken representation of the information.~~
 - 20 *6UBA2* 7. ~~A paperless book of claim 6 wherein the audible spoken representation of the
information is generated by artificial speech.~~
 8. A paperless book of claim 1 further comprising a switch which activates and deactivates the visual and aural displays.

9. A paperless book of claim 1 further comprising an electronic bookmark.

10. A paperless book of claim 1 wherein the visual and audible information is a movie.

11. A paperless book of claim 1 wherein the visual and audible information is a printed book which appears on the visual display and the printed words are simultaneously read in the aural display.

12. A paperless book of claim 1 wherein the digital storage device is a ROM selected from the group of ROM consisting of floppy disk, CD-ROM disk, and DVD disk.

13. A paperless book of claim 11 wherein a highlighted portion of the text indicates an associated visual or aural file.

14. A paperless book of claim 1 further comprising controls which control the speed at which the visual and aural information is scrolled.

15. A paperless book of claim 1 further comprising a control which determines at which point in the sequence of visual and aural information the process of displaying the visual and audible information will begin.

16. A paperless book comprising:
a housing,
a central processing unit, battery, ROM reader, permanent memory unit, and temporary memory unit mounted within the housing,
a visual display, power jack, head-mounted visual display housing jack, aural display housing jack, scroll button, select button, play button, stop or pause button, directional control buttons, volume control dial, brightness control dial, door for inserting ROM, and shoulder strap, mounted on the housing,

earphones, connecting wires, and a earphone jack,
the earphone jack connected to the aural display housing jack,
a head-mounted visual display, connecting wire, and visual display jack,
the visual display jack connected to the head-mounted visual display housing jack.

5 17. The paperless book of claim 16 further comprising a alternating current to direct
current convertor which plugs into the power jack and provides direct power to the paperless book.

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10 18. The paperless book of claim 16 further comprising a digital storage device for visual
and aural information, the digital storage device inserted in the ROM loading door in operation.

19. The process of simultaneously displaying both visual and aural information in a
paperless book comprising the steps:

a. downloading visual and aural information from a removable memory storage device,
a computer, or a global computer network into a temporary storage site,

b. displaying a page of visual material from the temporary storage site on a visual display,
and

15 c. displaying aural material from the temporary storage site on a audible display, the
display of aural material in synchrony with the display of visual material.

20. The process of claim 19 wherein the visual and aural information is downloaded from
a removable memory storage device.

21. The process of claim 19 further comprising the step:

20 d. advancing the visual display to the next page when the audible display corresponding
to the displayed page is completed.

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